Docket No. FIS920000396US1

Declaration and Power of Attorney For Patent Application

English Language Declaration

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

METHOD FOR IMPROVED PLASMA NITRIDATION OF ULTRA THIN GATE DIELECTRICS

the specification o	f which		
(check one)			
is attached here is attached here	reto.		
☐ was filed on		as United States Application No	or PCT International
Application Nu	mber		
and was amen	ded on		
		(if applicable)	
•		nderstand the contents of the above in the above in the above.	identified specification,
_	-	United States Patent and Trademarl ility as defined in Title 37, Code of	
Section 365(b) of any PCT Internation listed below and h	any foreign application onal application which de ave also identified below te or PCT International a	nder Title 35, United States Code, (s) for patent or inventor's certificate esignated at least one country other to by, by checking the box, any foreign a application having a filing date before	e, or Section 365(a) of han the United States, pplication for patent or
Prior Foreign Appl	cation(s)		Priority Not Claimed
(Number)	(Country)	(Day/Month/Year Filed)	
(Number)	(Country)	(Day/Month/Year Filed)	
	(Octavity)		
(Number)	(Country)	(Day/Month/Year Filed)	
TO-SB-01 (9-95) (Modified)		P02/REV02 Patent and Trademark C	Office-U.S. DEPARTMENT OF COMMI

true	::::::::::::::::::::::::::::::::::::::
atr' there	il.mii
There	Ť.
dint'	:==
-1711	il.
dant dast	Ħ
Hilli	Ħ
11031	ĮĮ,
1111	
1((())	il
:111/11	Hara Terra
3341134	÷
mul	Ī
1734411	il Heali
1736611	if if if

I hereby claim the benefit under application(s) listed below:	35 U.S.C. Section 119(e)	of any United States provisional
(Application Serial No.)	(Filing Date)	
(Application Serial No.)	(Filing Date)	
(Application Serial No.)	(Filing Date)	
Section 365(c) of any PCT Internations insofar as the subject matter of ear United States or PCT International U.S.C. Section 112, I acknowledge Office all information known to me	onal application designating ch of the claims of this app application in the manner p the duty to disclose to the to to be material to patentabing the patentabine the filing date of	any United States application(s), or the United States, listed below and, olication is not disclosed in the prior provided by the first paragraph of 35 United States Patent and Trademark ility as defined in Title 37, C. F. R., the prior application and the national
(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)
(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)
(Application Serial No.)	(Filing Date)	(Status)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

(patented, pending, abandoned)

Joseph P. Abate, Reg. No. 30,238 Jay Anderson, Reg, No. 38,371 Ira D. Blecker, Reg. No. 29,894 Steven Capella, Reg. No. 33,086 T. Rao Coca, Reg. No. 29,784 Harold Huberfeld, Reg. No. 26,665 Todd M. C. Li, Reg. No. 45,554 Susan Murray, Reg. No. 38,252 Daryl K. Neff, Reg. No. 38,253 Margaret A. Pepper, Reg. No. 45,008 Eric W. Petraske, Reg. No. 28,459

Marc D. Schechter, Reg. No. 28,989 H. Daniel Schnurmann, Reg. No. 35,791 William P. Skladony, Reg. No. 33,787 Tiffany Townsend, Reg. No. 43,199 Christopher A. Hughes, Reg. No. 26,914 Edward A. Pennington, Reg. No. 32,588 John E. Hoel, Reg. No. 26,279

Joseph C. Redmond, Jr., Reg. No. 18,753

All Attorneys Listed Under US Patent and Trademark **Customer Service Number 23413.**

Send Correspondence to:

Sean F. Sullivan

Cantor Colburn LLP 55 Griffin Road South Bloomfield, CT 06002

Direct Telephone Calls to: (name and telephone number)

Sean F. Sullivan (860) 286-2929

Full name of sole or first inventor Mukesh V. Khare	
Sole or first inventor's signature	Date
Mukesh V. Khone.	03108/01.
Residence 21 McKinley Avenue, Apt. #2, White Plains, NY 10606	
Citizenship INDIA	
Post Office Address	
SAME AS RESIDENCE	

Second inventor's signature	Date
Residence 16 McCarthy Drive, Ossining, NY 10562	
Citizenship USA	
Post Office Address	
SAME AS RESIDENCE	

Full name of third inventor, if any Thomas T. Hwang	
Third inventor's signature	Date
Thomas The Theorem The Theorem The Theorem The	≥/8/0
Nesidence	•
68 Sherwood Heights, Wappingers Falls, NY 12590	
Citizenship USA	
Post Office Address	
SAME AS RESIDENCE	
Full name of fourth inventor, if any Paul C. Jamison	
Fourth inventor's signature -	Date
Yaul C. Jamson	3/0/01
Residence	
5 Ridge Road, Hopewell Junction, NY 12533	
Citizenship USA	
Post Office Address	
SAME AS RESIDENCE	
Full name of fifth inventor, if any	
J. J. Quinlivan	
Fifth inventor's signature	Date
Residence	
17 Seneca Avenue, Essex Junction, VT 05452	
Citizenship USA	
Post Office Address	
SAME AS RESIDENCE	
STATE AS NESTREE	
Full name of sixth inventor, if any Beth A. Ward	
Sixth inventor's signature	Date
Residence 35 Greenwood Avenue, Essex Junction, Vermont 05452	
Citizenship USA Post Office Address	

Docket No. FIS920000396US1

Declaration and Power of Attorney For Patent Application **English Language Declaration**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

METHOD FOR IME	'ROVED PLASMA NITRI	DATION OF ULTRA THIN GATE DIE	LECTRICS
the specification of	f which		
(check one)			
is attached her	eto.		
uas filed on		as United States Application No	o. or PCT International
Application Nur			
and was amend	ded on		
		(if applicable)	
I hereby state that including the claims	I have reviewed and ur s, as amended by any a	nderstand the contents of the above mendment referred to above.	identified specification,
I acknowledge the known to me to b Section 1,56.	duty to disclose to the e material to patentab	United States Patent and Trademar ility as defined in Title 37, Code o	k Office all information f Federal Regulations,
Section 365(b) of a any PCT Internation listed below and ha	any foreign application(nal application which de ve also identified below or PCT International a	nder Title 35, United States Code, s) for patent or inventor's certificate signated at least one country other in the box, any foreign a pplication having a filing date before	e, or Section 365(a) of than the United States, application for patent or
Prior Foreign Applic	ation(s)		Priority Not Claimed
	_		
(Number)	(Country)	(Day/Month/Year Filed)	-
(Number)	(Country)	(Day/Month/Year Filed)	
/Nh \			۵
(Number)	(Country)	(Day/Month/Year Filed)	
0-SB-01 (9-95) (Modified)		PoziREVDZ Patent and Trademark O	FRCO-U.S. DEPARTMENT OF COMMER

I hereby claim the benefit unde application(s) listed below:	er 35 U.S.C. Section 119(a	e) of any United States provisiona
(Application Serial No.)	(Filing Date)	-
(Application Serial No.)	(Filing Date)	-
(Application Serial No.)	(Filing Date)	
insofar as the subject matter of ea United States or PCT International U.S.C. Section 112, I acknowledge Office all information known to me	ach of the claims of this ap application in the manner p the duty to disclose to the to be material to patentab the between the filing date of	g the United States, listed below and, plication is not disclosed in the prior provided by the first paragraph of 35 United States Patent and Trademark illity as defined in Title 37, C. F. R., the prior application and the national
(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)
(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)
(Application Serial No.)	(Filing Date)	(Status)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

17

(patented, pending, abandoned)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (list name and registration number)

Joseph P. Abate, Reg. No. 30,238 Jay Anderson, Reg. No. 38,371 Ira D. Blecker, Reg. No. 29,894 Steven Capella, Reg. No. 33,086 T. Rao Coca, Reg. No. 29,784 Harold Huberfeld, Reg. No. 26,665 Todd M. C. Li, Reg. No. 45,554 Susan Murray, Reg. No. 38,252 Daryl K. Neff, Reg. No. 38,253 Margaret A. Pepper, Reg. No. 45,008 Eric W. Petraske, Reg. No. 28,459

Marc D. Schechter, Reg. No. 28,989 H. Daniel Schnurmann, Reg. No. 35,791 William P. Skladony, Reg. No. 33,787 Tiffany Townsend, Reg. No. 43,199 Christopher A. Hughes, Reg. No. 26,914 Edward A. Pennington, Reg. No. 32,588 John E. Hoel, Reg. No. 26,279 Joseph C. Redmond, Jr., Reg. No. 18,753 All Attorneys Listed Under US Patent and Trademark Customer Service Number 23413.

Send Correspondence to: Sean F. Sullivan

Cantor Colburn LLP 55 Griffin Road South Bloomfield, CT 06002

Direct Telephone Calls to: (name and telephone number) Sean F. Sullivan (860) 286-2929

	Full name of sole or first inventor Mukesh V. Khare	
	Sale or first inventor's signature	Date
_	Residence 21 McKinley Avenue, Apt. #2, White Plains, NY 10606	
_	Clüzenship INDIA	
	Post Office Address SAME AS RESIDENCE	
		1311

Full name of second inventor, if any Christopher P. D'Emic	
Second inventor's signature [Mistyphn P. DCmic Residence	Date 3/7/61
16 McCarthy Drive, Ossining, NY 10562	,
Citizenship USA	
Post Office Address	
SAME AS RESIDENCE	

Form PTO-SB-01 (6-85) (Modified)

	::	
7	::	
911	:	
**		
ŝ		
ž	4	
	::	
3	::	
there.	:	
ate that that are there there	:	
111111	ì,	
Ξ		
Heat.	::	
	::	
-		
P thirty	ŧ,	
most collec-		
11/11		
ought collections? Best!		

	Pag
Full name of third inventor, if any Thomas T. Hwang	
Third invantor's signature	Date
Residence	140
68 Sherwood Heights, Wappingers Falls, NY 12590 Citizenship	
USA	
Post Office Address SAME AS RESIDENCE	
Full name of fourth inventor, if any Paul C. Jamison	
Fourth inventor's signature	Date
Residence 5 Ridge Road, Hopewell Junction, NY 12533	10 000
Citizenship USA	
Post Office Address	
SAME AS RESIDENCE	
•	
Full name of fifth inventor, if any J. J. Quinlivan	
Fifth inventor's signature	Date
Residence 17 Seneca Avenue, Essex Junction, VT 05452	
Citizenship USA	
Post Office Address	uge
SAME AS RESIDENCE	
Full name of sixth inventor, if any	
Beth A. Ward	
Beth A. Ward Sixth inventor's signature	Date
Beth A. Ward Sixth inventor's signature Residence 35 Greenwood Avenue, Essex Junction, Vermont 05452	Date
Full name of sixth inventor, if any Beth A. Ward Sixth inventor's signature Residence 35 Greenwood Avenue, Essex Junction, Vermont 05452 Citizenship USA Post Office Address	Date

Express Mail Label No.

Docket No. FIS920000396US1

Declaration and Power of Attorney For Patent Application English Language Declaration

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a nationt is sought on the invention entitled

METHOD FOR IMPRO		DATION OF ULTRA THIN GATE DIEL	ECTRICS
the specification of w	hích		
(check one)			
is attached hereto).		
☐ was filed on		as United States Application No	o. or PCT International
Application Numb			
and was amended	d on		
		(if applicable)	
•		nderstand the contents of the above amendment referred to above.	identified specification,
•	•	United States Patent and Trademar bility as defined in Title 37, Code o	
Section 365(b) of any PCT International listed below and have	y foreign application I application which do also identified below or PCT International a	under Title 35, United States Code, (s) for patent or inventor's certificate esignated at least one country other to by checking the box, any foreign application having a filing date before	e, or Section 365(a) of than the United States, application for patent or
Prior Foreign Applicat	ion(s)		Priority Not Claimed
(Number)	(Country)	(Day/Month/Year Filed)	-
(Number)	(Country)	(Day/Month/Year Filed)	Ü
(Number)	(Country)	(Day/Month/Year Filed)	
O-SB-01 (9-95) (Modified)		P02/REV02 Patent and Tradomark C	Office-U.S. DEPARTMENT OF COMME

application(s) listed below:		
(Application Serial No.)	(Filing Date)	
(Application Serial No.)	(Filing Date)	
(Application Serial No.)	(Filing Date)	
J.S.C. Section 112, I acknowledg		
Section 1.56 which became availat	ole between the filing date of	bility as defined in Title 37, C. F. the prior application and the nation
Section 1.56 which became availate or PCT International filing date of the	ole between the filing date of his application:	bility as defined in Title 37, C. F. the prior application and the nation

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (list name and registration number)

Joseph P. Abate, Reg. No. 30,238
Jay Anderson, Reg, No. 38,371
Ira D. Blecker, Reg. No. 29,894
Steven Capella, Reg. No. 33,086
T. Rao Coca, Reg. No. 29,784
Harold Huberfeld, Reg. No. 26,665
Todd M. C. Li, Reg. No. 45,554
Susan Murray, Reg. No. 38,252
Daryl K. Neff, Reg. No. 38,253
Margaret A. Pepper, Reg. No. 45,008
Eric W. Petraske, Reg. No. 28,459

Marc D. Schechter, Reg. No. 28,989
H. Daniel Schnurmann, Reg. No. 35,791
William P. Skladony, Reg. No. 33,787
Tiffany Townsend, Reg. No. 43,199
Christopher A. Hughes, Reg. No. 26,914
Edward A. Pennington, Reg. No. 32,588
John E. Hoel, Reg. No. 26,279
Joseph C. Redmond, Jr., Reg. No. 18,753
All Attorneys Listed Under US Patent and Trademark
Customer Service Number 23413.

Send Correspondence to: Sean F. Sullivan

1 3

Shaft Staff Staff i

the and the tree of

He had and the the

Cantor Colburn LLP 55 Griffin Road South Bloomfield, CT 06002

Direct Telephone Calls to: (name and telephone number)

Sean F. Sullivan (860) 286-2929

Full name of second inventor, if any

Full name of sole or first inventor Mukesh V. Khare	
Sole or first inventor's signature	Date
Residence 21 McKinley Avenue, Apt. #2, White Plains, NY 10606	
Cifizenship INDIA	
Post Office Address	
SAME AS RESIDENCE	
SAME AS RESIDENCE	

Second inventor's signature	Date
Residence 16 McCarthy Drive, Ossining, NY 10562	
Citizenship USA	
Post Office Address	
SAME AS RESIDENCE	

Full name of third inventor, if any Thomas T. Bwang	
Thurn inventors signature	Date
Residence	
68 Sherwood Heights, Wappingers Falls, NY 12590	
Zikzenstrip USA	
Post Office Address	
SAME AS RESIDENCE	-,
Full name of fourth inventor, If any Paul C. Jamison	
Founh inventors signature	Dare
tesidence 8 Ridge Road, Hopewell Junction, NY 12533	
Titzenship USA	
Post Office Address	
Full name of fifth inventor, if any I.J. Quinlivan James V. Ouin liven	3/8/01
iuli name of fifth inventor, if any 1. J. Quinlivan James J. Osin II van iffit inventors signature Anne C. J. Quillance	3/8/0/ Date
Heridonge James J. Osia) Ivan Residonge	3/8/0/ bate
Residence Reside	3/8/0/ bate
Residence Reside	3/8/0/ bate
Full name of fifth inventor, if any J. J. Quinlivan Tarnes The inventor's signature Residence 17 Genera Avenue, Essex Junction, VT 05452 Residence	3/8/0/ bate
Residence 1. J. Quinlivan Townes Tow	3/8/0/ bate
Residence Reside	3/8/0/ bate
History Signature Residence Residen	3/8/0/ bate Dane S(X)(C)
I. J. Quinlivan Townes Voin II van Residence	bate
History Signature Residence	bate

Form PTO-SB-01 (5-05) (Modified)

grate ger gang gente ger gante

7 11 ij 5 112 į . T. į.

Patent and Trademark Office-U.S. DEPARTMENT OF COMMERCE